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(71) Applicant (for all designated States except US): **KONIN-
KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL];**
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **DE VAAN, Adrianus,
J., S., M. [NL/NL];** c/o Prof. Holstlaan 6, NL-5656 AA
Eindhoven (NL).

(74) Agent: **VAN DEN HOOVEN, Jan; Prof. Holstlaan 6,
NL-5656 AA Eindhoven (NL).**

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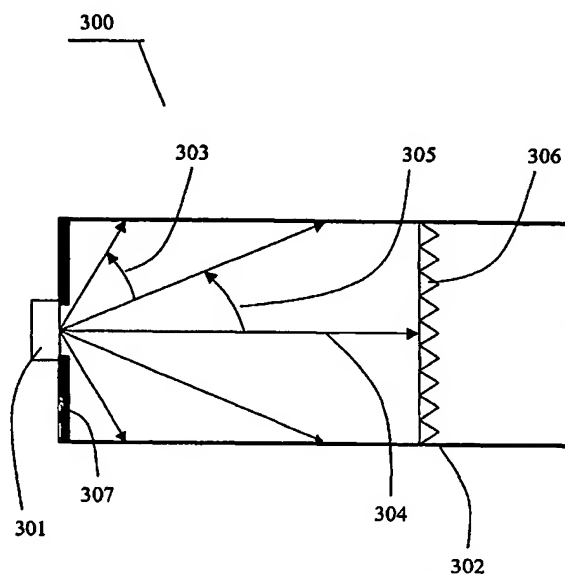
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(54) Title: **ULTRA COMPACT ILLUMINATION SYSTEM FOR DISPLAY SYSTEMS**



(57) Abstract: The present invention relates to an illumination system (300) comprising a light guide (302) having an entrance face, an exit face and an aperture in which a light source (301) can be arranged, and a display system comprising such an illumination system (300). The idea of the present invention is that various elements (306, 307) are arranged in the light guide (302) to increase the angle of light beams incident in the light guide (302) with respect to the optical axis (304) of the system (300) and to create a homogeneous illumination at the exit face of the light guide (302). The present invention is advantageous, since the claimed illumination system (300) decreases the length of a given light guide (302), making the illumination system (300) smaller, lighter and more compact with even illumination and a high optical efficiency.

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